MODERN C++ - PRE-TEST

Name:								
Date: Score:								
Question	1	2	3	4	5	6	7	8
Answers								
	Τł		Assume (test. More C++14 for fo all necessar Good I	llowing que y includes a	stions.	oe correct.	
void foo(void foo(void foo(Which meth foo(nullp a) voi b) voi c) voi	void*); std::null nod will be ca	ptr_t); alled in this); d*); ::nullptr	case:	d:				
const int auto & v a) int b) con c) con d) int	= i; st int& st int*		ılid					
std::vect a) for b) for c) for	the following cor <int> v (std::vec (auto it (auto & i !::for_eac</int>	; tor <int>; = v.begir tem : v)</int>	::size_t n();	i = 0; i != v.end(< v.size); ++it)	e(); ++i)	em){});	
<pre>int array auto d = a) con b) int</pre>	array; st int*	riable d?						

```
a) default constructor
   b) copy constructor
   c) move constructor
   d) copy assignment operator
   e) move assignment operator
   f) destructor
   g) free function
   h) class method
6. Which lambda function is valid?
   a) []() -> int { return 4; };
   b) int [](){ return 4; };
   c) auto [](){ return 4; };
   d) []() -> auto {return 4; };
   e) [](){ return 4; };
   f) []{ return 4; }
   g) [] -> int { return 4; }
   h) int []{ return 4; }
7. What kind of problem do we have here?
#include <memory>
struct Gadget {
    void call method() { cout << "hi"; }</pre>
void sink(std::unique_ptr<Gadget> gdgt) {
    gdgt->call_method();
int main () {
    auto ptr = std::make_unique<Gadget>();
    sink(std::move(ptr));
    ptr->call method();
    return 0;
}
   a) Memory leak
   b) Undefined behavior
   c) Compiler error
   d) Linker error
8. Which overrides are syntacticaly valid?
   a) void doSth() const override;
   b) void doSth() const = override;
   c) void doSth() override const;
   d) virtual void doSth() const override;
   e) virtual void doSth() = override const;
```

5. Which of the following elements can be defined as deleted (= delete):